

Title (en)

Hydrostatic transaxle and brake arrangement therefor

Title (de)

Hydrostatisch angetriebene Achse und Bremsenanordnung für diese Achse

Title (fr)

Essieu moteur hydrostatique et dispositif de frein pour cet essieu

Publication

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Application

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Priority

US 53166790 A 19900601

Abstract (en)

[origin: EP0459470A2] A hydrostatic transaxle is disclosed of the type having a central manifold (13) and right and left motor axle assemblies (15, 17). Each motor axle assembly includes a fluid motor (35) and a speed reduction gear set (51). The manifold defines a pair of aligned openings (81R, 81L) and disposed therein is a pair of elongated brake actuation members (83R, 83L), each member being axially moveable in its opening away from a central reference plane (RP). A cam means (95) defines right and left cam surfaces (107R, 107L) engaging the brake actuation members. Movement of the cam means forces the actuation members axially outward, until each engages friction pad (109), providing braking of a reaction plate (115) between the friction pad and a back up plate (119). The disclosed braking arrangement is simple and inexpensive, and achieves braking upstream of the reduction gear set, thus requiring less braking torque than would be required in the case of a conventional wheel brake. Also disclosed is an embodiment (FIG. 7) in which the brake arrangements in the right and left motor axle assemblies may be actuated independently of each other. <IMAGE>

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